

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently amended) A radiation-curable optical fiber coating composition comprising:
 - (a) a radiation-curable copolymeric urethane oligomer ; and
 - (b) 34 wt% to 99 wt%, relative to the total weight of the composition of an alkoxyated aliphatic monofunctional reactive diluent comprising an aliphatic moiety having at least 7 carbon atoms,wherein ~~said coating composition has a cure speed of less than 0.30 J/cm².~~
2. (Currently amended) A radiation-curable optical fiber coating composition comprising:
 - (a) a radiation-curable copolymeric urethane oligomer; and
 - (b) 34 wt% to 99 wt%, relative to the total weight of the composition of an aliphatic monofunctional reactive diluent having one radiation-curable functional groups and on average at least two alkoxy moieties.
3. (Currently Amended) The coating composition according to claim 1 comprising, relative to the total weight of said coating composition, ~~134 wt%~~ 34 wt% -50 wt% of said aliphatic reactive diluent.
4. (Previously Presented) The coating composition according to claim 1, comprising, relative to the total weight of said coating composition, at least 35 wt% of said radiation-curable oligomer.
5. (Previously Presented) The coating composition according to claim 1, wherein said aliphatic reactive diluent comprises an aliphatic moiety having at most 20 carbon atoms.

6. (Previously Presented) The coating composition according to claim 1, wherein said aliphatic reactive diluent comprises an aliphatic moiety having 8-15 carbon atoms.
7. (Previously Presented) The coating composition according to claim 1, wherein said aliphatic reactive diluent comprises an acrylate functional group.
8. (Previously Presented) The coating composition according to claim 1, wherein said aliphatic reactive diluent is absent any ring structure.
9. (Previously Presented) The coating composition according to claim 1, further comprising an additional reactive diluent.
10. (Previously Presented) The coating composition according to claim 1, further comprising a silane adhesion promoter.
11. (Previously Presented) The coating composition according to claim 1, further comprising, relative to the total weight of the composition at least 0.6 wt% of gamma-mercaptopropyl trimethoxysilane.
12. (Previously Presented) The coating composition according to claim 1, further comprising a photoinitiator.
13. (Cancelled).
14. (Previously Presented) The coating composition according to claim 1, wherein said coating composition has a faster cure speed when compared to a composition that is identical except that said aliphatic reactive diluent in said coating composition has been replaced in the identical composition with an equal weight of a reactive diluent that is identical to said aliphatic reactive diluent except that the identical reactive diluent is not alkoxylated.

15. (Previously Presented) A coated optical fiber comprising a coating obtained by curing the coating composition according to claim 1.

16. (Original) The fiber of claim 15, wherein said coating is an inner primary coating.

17. (Original) The fiber of claim 16, wherein said coating has a modulus of less than 1.5 MPa.

18. (Original) The fiber of claim 15, wherein said coating is an outer primary coating.

19. (Original) The fiber of claim 18, wherein said coating has a modulus of at least 200 MPa.

20. (New) The coating composition according to claim 1, wherein said coating composition has a cure speed of less than $0.30\text{J}/\text{cm}^2$.

21. (New) The coating composition according to claim 2, wherein said coating composition has a cure speed of less than $0.30\text{J}/\text{cm}^2$.

22. (New) The radiation-curable optical fiber coating composition of claim 1 comprising 50-99 wt.% relative to the total weight of said coating composition of said aliphatic reactive diluent.

23. (New) The radiation-curable optical fiber coating composition of claim 2 comprising 50-99 wt.% relative to the total weight of said coating composition of said aliphatic reactive diluent.